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国产羊茅属的新分类群*

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NEW TAXA OF *FESTUCA* L. FROM CHINA

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Abstract Some new taxa of the genus *Festuca* (Gramineae) are described from China. They are Sect. Longiglumes S.L. Lu, Sect. Muticae S.L. Lu, Sect. Sinensis S.L. Lu, Sect, Nitidulae S.L. Lu, and *Festuca pubiglumis* S.L. Lu, *F. longiglumis* S.L. Lu, *F. fascinata* Keng, *F. mutica* S.L. Lu, *F. sinensis* Keng, *F. subalpina* Chang et Skvort. ex S.L. Lu, *F. chelungkingnica* Chang et Skvort. ex S.L. Lu. In addition, one new name *F. taiwanensis* S.L. Lu is included.
Key words *Festuca*; New taxa; China

关键词 羊茅属; 新分类群; 中国

亚属 1. **宽叶亚属**

Subgen. **Subulatae** (Tzvel.) E. Alexeev in Byull. Mosc. Obshch. Ispyt. Prir. Biol. **82**(3): 96. 1977. et in Nov. Syst. Pl. Vasc. **17**: 18. 1980. —— *Festuca* Subgen. *Schedonorus* sect. *Subulatae* Tzvel. in Bot. Ural. **56**(9): 1253. 1971. et in Poac. URSS 393. 1976.

植株雌雄同株。叶片扁平或对折，稀边缘纵卷，基部无披针形叶耳，或具短而钝的耳状突起。圆锥花序疏松开展；颖片边缘窄膜质；外稃顶端具芒；子房顶端被毛或无毛。

模式: *F. subulata* Trin.

组 1. **宽叶组**

1. Sect. **Subulatae**

叶片扁平。第一颖短小，长 1 — 2(3)mm; 花药长 1 — 2mm; 子房顶端被毛。

组模式: *F. subulata* Trin. 本组国产 4 种: 小颖羊茅 *Festuca parvigluma* Steud., 远东羊茅 *F. extremiorientalis* Ohwi, 高羊茅 *F. elata* Keng ex E. Alexeev, 高砂羊茅 *F. takasagoensis* Ohwi

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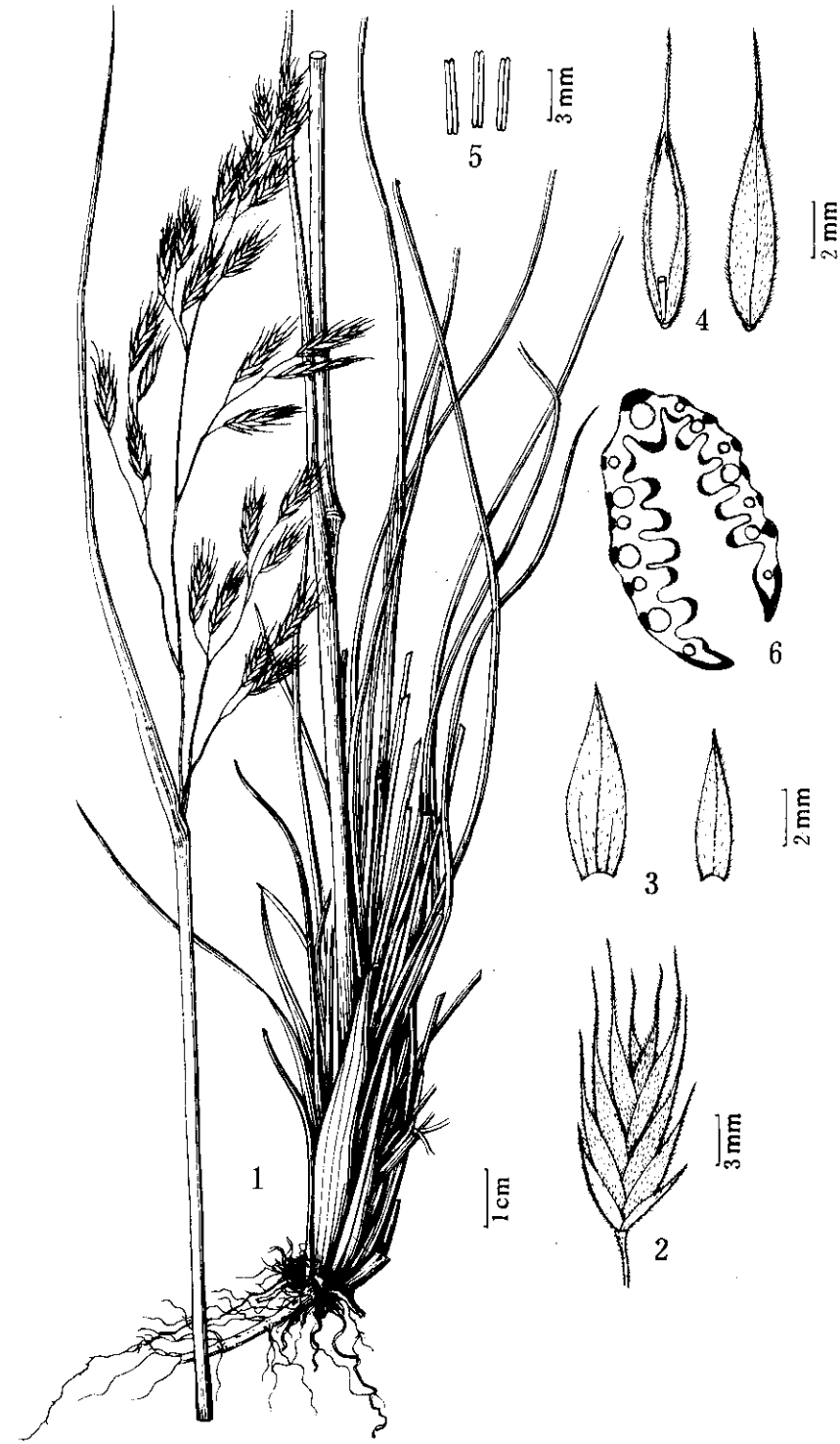

图 1 毛颖羊茅 1. 植株; 2. 小穗; 3. 颖片; 4. 第一小花背面和腹面; 5. 花药; 6. 叶横切面示意图。(王颖绘)

Fig.1 *Festuca pubiglumis* 1.plant; 2.spikelet; 3.glume; 4.dorsal and ventral surface of first floret; 5. anther; 6.sketch of transverse section of leaf blade.

组 2. **长颖组** 新组

2. Sect. **Longiglumes** S.L. Lu, sect. nov.

Foliorum laminae planae vel conduplicatae, raro margine involutae. Gluma prima (2)3.5 — 6.5 mm longa, secunda (4) 5 — 9 mm longa. Antherae (1.5) 2 — 4 mm longae; caryopsis apice pilosa vel glabra.

Typus nominis sectionis: *F. longiglumis* S.L. Lu

叶片扁平或对折，稀边缘纵卷。第一颖长(2)3.5 — 6.5mm，第二颖长(4) 5 — 9 mm；花药长(1.5) 2 — 4 mm；子房顶端被毛或无毛。

本组国产6种：毛颖羊茅 *F. pubiglumis* S.L. Lu，弱须羊茅 *F. leptopogon* Stapf，云南羊茅 *F. yunnanensis* St.-Yves，长颖羊茅 *F. longiglumis* S.L. Lu，藏滇羊茅 *F. Vierhapperi Hand.* Mazz.，蛊羊茅 *F. fascinata* Keng

1. **毛颖羊茅** 新种 图 1:1 — 6

Festuca pubiglumis S.L. Lu, sp. nov.

Species *F. elatae* Keng ex E. Alexeev valde similis, sed ligulis brevioribus, c. 0.5 mm longis; spiculis 7— 8-floris, glumis dorso piliferis mergine ciliatis; lemmatibus dorso pubescentibus; antheris c. 4 mm. longis, caryopside apice glaba differt .

Herba perennis. Rhizomata breviora. Culmi erecti glabri, striati, 40 — 50 cm alti, c. 2mm diam., 2-nodes, basi vaginis persistentibus stramineis emarcidis obtecti. Vaginae laxae, glabrae, internodiis brviores; ligulae c. 0.5 mm longae, ciliatae; laminae conduplicatae, cinereovirides margine involutae, utrinque glabrae, 14 — 25 cm longae, 3 — 4 mm latae, in sectione transversali fasciculis vascularibus 15, sub epidermide infera et supera fasciculis sclerenchymatum debilioribus instructae, supra costis. Panicula laxa, basi in vagina incluse, lamina summa brevior, ramis 2 — 8 cm longis, secus acies ciliatis, spiculae stramineae, 10 — 13 mm longae, 7 — 8-florae, flosculis dense dispositis; glumae lanceolatae, apice acuminatae, dorso piliferae, margine ciliatae, primae 5 —6mm longae, 1-nerves, secundae 6 — 7 mm longae, 3-nerves; lemmata dorso pubescentia 5-nervia, apice aristata, aristis 5 — 7 mm longis, prima 7.5 — 8 mm. longa; paleae lemmata aequantes, carinis 2, scabridis; antherae c. 4 mm longae ; caryopsis apice glabra.

Yunnan (云南): Eryuan (洱源), Mt. Maer (马耳山), alt. 3600 — 3800 m, in shrub meadows, 1963.07.25, Jinshajiang Exp. (金沙江队) 63-6160 (holotype, PE) (isotype, NJU), 63-6168.

本种与高羊茅 *F. elata* Keng ex E. Alexeev 近似，但叶舌短，长约0.5 mm。小穗含7或8花，颖片背面被毛，边缘具纤毛；外稃背面密被短柔毛；花药长约4 mm，子房顶端无毛。

2. **长颖羊茅** 新种 图 2: 1 — 6

Festuca longiglumis S.L. Lu, sp. nov.

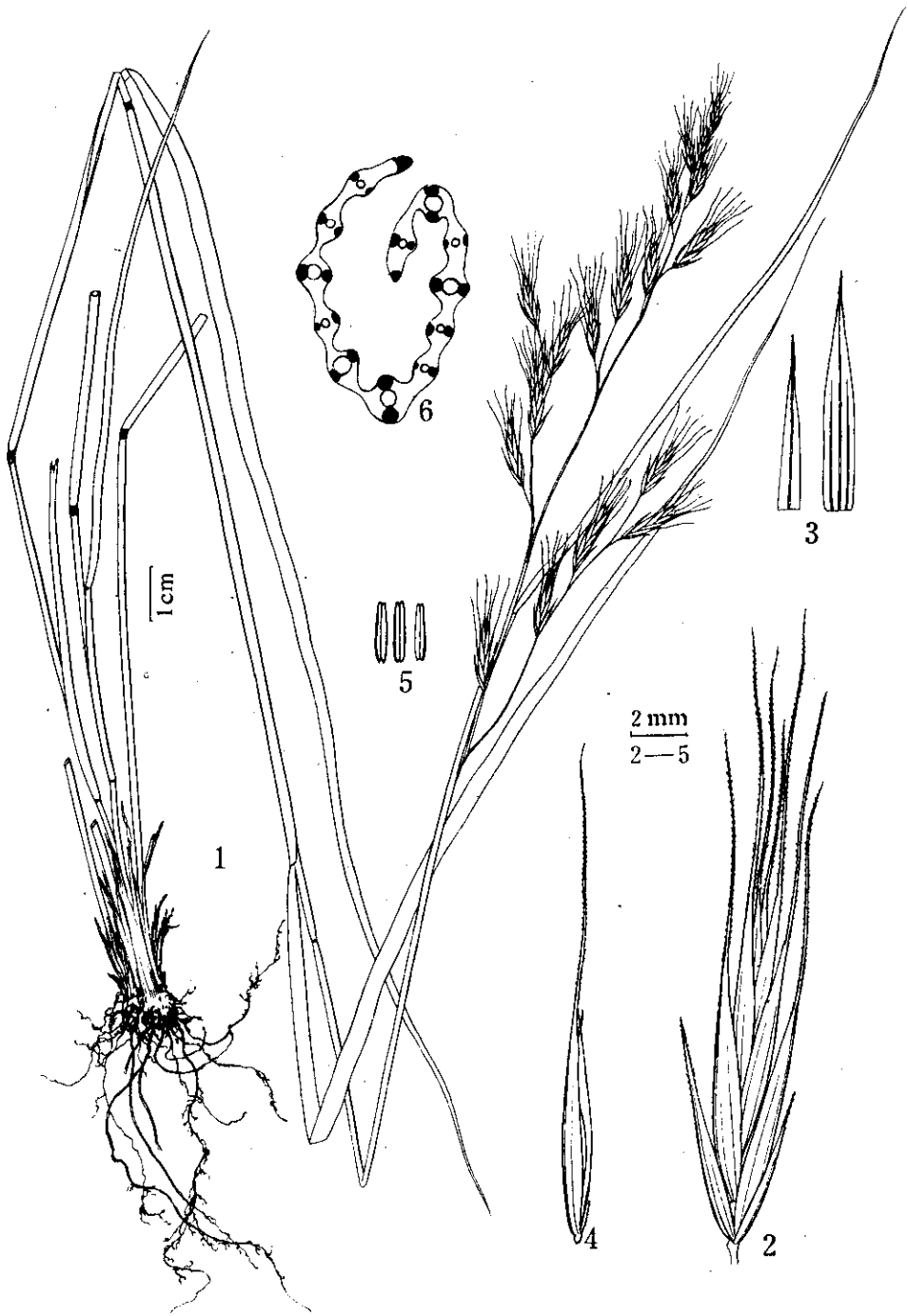

图 2 长颖羊茅 1.植株; 2.小穗; 3.颖片; 4.第一小花; 5.花药; 6.叶横切面示意图.(刘进军绘)

Fig.2 *F. longiglumis* 1.plant; 2.spikelet; 3.glume; 4.first floret; 5.anther; 6.sketch of transverse section of leaf blade.

Species *F. extremiorientali* Ohwi affinis, sed ligulis brevioribus, spiculis usque ad 15 mm longis, glumis primis 6— 6.5 mm longis, secundis 8.5—9 mm longis, lemmatibus 9— 10 mm longis, caryopside apice glabra differt.

Herba perennis. Culmi caespitosi, striati, glabri, 40 — 65 cm alti, 1 — 1.5 mm diam., 3 — 4－nodes. Vaginae glabrae, internodiis paulo breviores; ligulae c. 0.2 mm longae, ciliolatae; laminae planae, utrinque glabrae, flaccidea, 16 — 27 cm longae, 3 — 3.5 mm latae, in sectione transversali fasciculis vascularibus 11 — 12, sub epidermide infera et supera fasciculis sclerenchymaticis fasciculis vascularibus oppositis instructae, cellulis bulliformibus destitutae. Panicula laxa, patens, 10 — 22 cm longa, lamina summa brevior, ramis gracilibus, glabris, horizontalibus vel ascendentibus, 3 — 10 cm longis; spiculae pallide viridis, 12 — 15mm. longae (aristis exclusis) 5 — 7－florae, articulis rhachillae c. 15 mm longis, leviter flexuosis, glabris vel scabridis; glumae angusto－lanceo-latae, apice longe acuminatae margine membranaceae, primae 6— 6.5 mm longae, 1－nerves, secundae 8.5— 9 mm longae, 3－nerves; lemmata papyracea, glabra, 5－nervia, apice aristata, aristis 6— 7 mm longis, prima 9— 10 mm longa; paleae lemmata aequantes apice bifida, carinis 2, scabridis; antherae 1.8— 2 mm longae; caryopsis apice glabra.

Yunnan (云南): Binchuan (宾川) Jizushan from Zhu sheng si to Jindingsi, (鸡足山祝圣寺至金顶寺), alt. 2900 m on sunny slopes, on the margins of evergreen *Quercus* forests, 1963.08. Jinshajiang Exp. (金沙江队) 63－6935 (holotype, PE) (isotype, NJU)

本种与远东羊茅 *F. extremiorientalis* Ohwi 近似，但以叶舌短。小穗长达15 mm，第一颖长6— 6.5 mm，第二颖长8.5— 9mm，第一外稃长9— 10 mm，子房顶端无毛等特征，可与之区别。

3. **盘羊茅** 新种

Festuca fascinata Keng, sp. nov. (附注 1)

in Clav. Gen. Sp. Gram. Prim. Sin. 29. 163. 1957; Fl. Ill. Pl. Prim. Sin. Gram. 124. pl. 88. 1959. (Sine lat. descr.)

Species *F. parviglumae* Steud. valde similis, sed laminis involutis, glumis angustioribus, et caryopside glabra differt.

Perennis, radicibus fibrosis. Culmi laxe caespitosi, erecti leves, 60 — 80 cm alti, c. 1 mm crasii, 2 — 3－nodes, nodo supremo prope vel supra medium plantae posito. Foliorum vaginae praeter basales internodiis saepe breviores, glabrae levesque, summae 17 — 20 cm longae, laminae suae longiores; ligula scariosa, c. 0.5 mm longa, truncata; laminae saepe involutae, 14 — 27 cm longae, 1.5— 2.5 mm latae, subtus glabrae, supra striatae, puberulae, in sectione transversali fasciculis vascularibus 5 — 7, sub epidermide infera fasciculis

sclerenchymatum tantum instructis, Panicula aperta, cernua, 11 — 20 cm longa, basi in vagina inclusa, lamina summa superata, ramis erectis vel ascendentibus, gracilibus, compresso-triquetris, secus acies scabris, basalibus 9 — 11 cm longis, in 1/3 — 1/2 inferiore nudis, 4 — 10 spiculatis; spiculae pallide virides 9 — 10 mm longae (aristas excl.) 3 — 5-florae, articulis rhachillae 1 — 1.5 mm longis, scabridis; glumae angustae, acuminatae, glabrae, primae 2 — 3 mm longae. 1-nerves, secundae 5 — 6 mm longae, 3-nerves; lemmata lanceolata vel oblonga, margine anguste membranacea, 5-nervia, nervis intermediis saepe obscuris, superne scabrida, acuminata, in aristam gracilem scabridam 4 — 8 mm longam producta, primum 6 — 7 mm longum; paleae lemmata aequantes vel eo paulo longiora, apice angusta, bifida, ad carinae scabrida; stamina 3, antheris flavis, c. 1.5 mm longis (immaturis). Caryopsis apice glabra (immtura).

Sichuan (四川): K.L. Chu (曲桂龄) 7525 (Typus, NJU)

亚属 2. **无芒亚属**: Subgen. **Drymathele** Krecz. et Bobr. in Kom. Fl. URSS **2**: 532. 1934.

植株雌雄同株。叶片扁平或边缘纵卷，基部无叶耳。圆锥花序疏松开展；颖片边缘膜质；外稃顶端无芒或具短尖；子房顶端具毛或无毛。

模式: *F. drymeja* Mert. et Koch.

组 3. **无芒组** 新组

3. Sect. **Muticae** S.L. Lu, sect. nov.

Foliorum laminae planae vel margine involutae; ligulae (1.5) 2 — 5 mm longae. Lemmata apice mutica; antherae (1.5) 2 — 4 mm longae; caryopsis apice pilosa vel paulo glabra.

Typus nominis sectionis: *F. mutica* S.L. Lu

叶片扁平或边缘内卷；叶舌长(1.5) 2 — 5 mm。外稃顶端无芒；花药长(1.5) 2 — 4 mm；子房顶端具毛稀无毛。

本组国产4种: 昌都羊茅 *F. changduensis* L. Liou, 素羊茅 *F. modesta* Steud., 长花羊茅 *F. dolichantha* Kneg ex Keng f., 无芒羊茅 *F. mutica* S.L. Lu

4. **无芒羊茅** 新种 图3: 1 — 6

Festuca mutica S.L. Lu, sp. nov.

Species *F. modestae* Steud. valde similis, sed paniculis 7 — 9 cm longis, spiculis 17 — 18 mm longis 8 — 10-floris, Laminis in sectione transversali sub epidermide infera fasciculis sclerenchymatum tantum instructis differt.

Herba perennis. Culmi caespitosi, erecti glabri, 68 — 75 cm alti, 1.5 — 2 mm diam. Foliorum vaginae laxae, glabrae; ligulae 1.5 — 2 mm longae, membranaceae, foliorum basalium c. 0.5 mm longae; laminae planae vel involutae (7) 13 — 20 cm longae, foliorum basalium usque ad 32 cm longae, 1 — 3 mm latae, in sectione transversali fasciculis vascularibus 7 et sub epidermide

图 3 无芒羊茅 1.植株；2.小穗；3.颖片；4.第一小花；5.鳞被、雌蕊及雄蕊；6.叶横切面示意图。（阎翠兰绘）

Fig. 3 *Festuca mutica* 1.plant; 2.spikelet; 3.glume; 4.first floret; 5.lodicule, pistil, and stamen 6.sketch of transverse section of leaf blade.

infra fasciculis sclerenchymatum 9 instructae, supra 7－trichotomo－costatae. Panicula laxa, 7 — 9 cm longae, ramis 2. 5 — 5 cm longis, scabris, paucispiculatis, spiculae cinereo－virides 17 — 18 mm longae. 8 — 10－florae, articulis rhachillae c. 1 mm longis, glabris; glumae glabrae, margine angusto－membranaceae, apice acutae, primae angusto－lanceolatae, 1－nerves, 2. 5 mm longae, secundae oblongo－lancenlatae, 3－nerves 3. 5 mm longae; lemmata dorso glabra, 5－nervia, apice mutica, prima 6. 5 — 7 mm longa; paleae lemmata aequantes, apice bifidae, carinis 2 glabris; antherae c. 3 mm longae; caryopsis apice pilosa.

Yunnan (云南): Eryuan (洱源) in thevicinity of Nandaping Heishanmen (南大坪黑山门), alt. 2900m. in meadows 1963.07.31. Jinshajiang Exp. (金沙江队) 63－6359 (holotype PE) (isotype NJU)

本种与素羊茅 *F. modesta* Steud. 很近似，但圆锥花序长 7 — 9cm; 小穗长 17 — 18 mm，含 8 或 10花; 叶横切面厚壁组织只存在于下表皮层之内方，可与之区别。

组 4. **短舌组** 新组

4. Sect. **Sinenses** S.L. Lu, sect. nov.

Foliorum laminae conduplicatae vel involutae; ligulae 0.3 — 1.5 mm longae. Lemmata apice mutica vel breviter acuta; antherae 1 — 1.8 mm lingae; caryopsis apice pilosa vel glabra.

Typus nominis sectionis: *F. sinensis* Keng

叶片对折或内卷; 叶舌长 0.3 — 1.5 mm。外稃顶端无芒或具短尖;花药长 1 — 1.8 mm; 子房顶端具毛或无毛。

本组国产 3 种: 日本羊茅 *F. japonica* Makino, ,曲枝羊茅 *F. undata* Stapf, 中华羊茅 *F. sinensis* Keng

5. **中华羊茅** 新种

Festuca sinensis Keng, sp. nov. (附注 1)

F. sinensis Keng in Clav. Gen. Sp. Gram. Prim. Sin. 28. 163. 1957;Fl. Ill. Pl. Prim. Sin. Gram. 126. pl. 91. 1959. (Sine Lat. descr.)

Species *F. undatae* Stapf affinis, sed glumis longioribus 5 — 7 mm longis, et caryopside apice glabra differt.

Perennis, innovationibus extravaginalibus. Culmi laxe caespitosi, erecti vel basi geniculati, 60 — 75 cm alti, 1 — 2 mm crassi, 4－nodes, nodo constricto, glabro, nigri－purpureo. Vaginae laxae, striatae, glabrae, internodiis longiores vel paulo breviores, raro ea aequantes, summae 16 — 22 cm longae, laminae suae longiores; ligula 0. 3 — 1. 5 mm longa, coriacea vel scabriuscula, apice ciliolata; laminae rigidae erectae, saepe involutae, 6 — 16 cm longae, 1.5 — 3.5 mm latae, glabrae vel supera puberulae, summae saepe rudimentales, 3 — 6 raro

usque ad 16 cm longae, in sectione transversali fasciculis vascularibus 7 — 13, sub epidermide supera fasciculis sclerenchymatum fasciculis vascularibus oppositis, sed sub epidermide infera prepe costas dispositis instructae, cellulis bulliformibus destitutae. Panicula aperta, 11 — 18 cm longa, ramis inferne binis, ascendentibus, primariis gracilibus, 6 — 11 cm longis, infra medium nudis, superne ramulos 2 — 4-spiculatos secundarios tertiariosque generatibus, pedicellis terminalibus 3 — 4 mm longis, triquetris, secus acies scabris, laterallibus 0.5 — 2 mm longis saepe levibus; spiculae 3 — 4-florae, 8 — 9 mm longae, c. 3 mm latae (maturae), pallide virides vel purpurascentes, rhachillae articulis c. 1 mm longis, dorso hirtellis; glumae acuminatae primae 5 — 6 mm longae 1(2)-nerves, secundae 7 — 8 mm. longae, 3(4)-nerves, carinis superne scabridis; lemmata oblongo-lanceolata, 5-nervia, superne puberula, primum c. 7 mm longum, in aristam 0.8 — 2 mm longam productum; paleae angustae oblongae, c. 6 mm longae, apice bidentata, ad carinas ciliolata; antherae 1.2 — 1.8 mm longae, terminaliter exsertae. caryopsis immatura.

Sichuan (四川): K.L. Chu (曲桂龄) 7443 (Typus, NJU)

亚属 3. **羊茅亚属**: Subgen. **Festuca**

植株雌雄同株。叶片纵卷稀扁平，基部无叶耳。圆锥花序紧密呈穗状或狭窄或疏松开展但均较短；颖片边缘窄膜质或具纤毛；外稃顶端具芒或无芒；子房顶端无毛或稀具微毛。

模式: *F. ovina* L.

组 5. **羊茅组**

5. Sect. **Festuca**

叶片纵卷呈细丝状，叶横切面常具维管束 5 — 7，厚壁组织仅下表皮层之内方有，3 — 9，束状或连续成带状。颖片边缘窄膜质或具纤毛；外稃顶端具芒或无芒；子房顶端无毛或具少量的毛。

组模式: *F. ovina* L.

本组国产17 种。(由于种数较多，此间从略)

6. **光稃羊茅**

Festuca taiwanensis S. L. Lu, nom. nov. —— *F. formosana* E. Alexeev in Byull. Mosk. Obshch. Ispyt. Prir. Biol. **83**(5): 98. 1978. non *F. formosana* Honda (1928).

7. **长白山羊茅** 新种 图 4:1 — 6

Festuca subalpina Chang et Skvort. ex S. L. Lu, sp. nov.

Species *F. chelungkiangnicae* Chang et Skvort. ex S.L. Lu affinis, sed glumis dorso glabris levibus; lemmatibus apice aristatis aristis 1 — 1.5 mm longis; antheris 2.2 — 2.5 mm longis differt.

Perennis, radicibus fibrosis gracilibus. Culmi caespitosi, glabri, c. 20 cm alti,

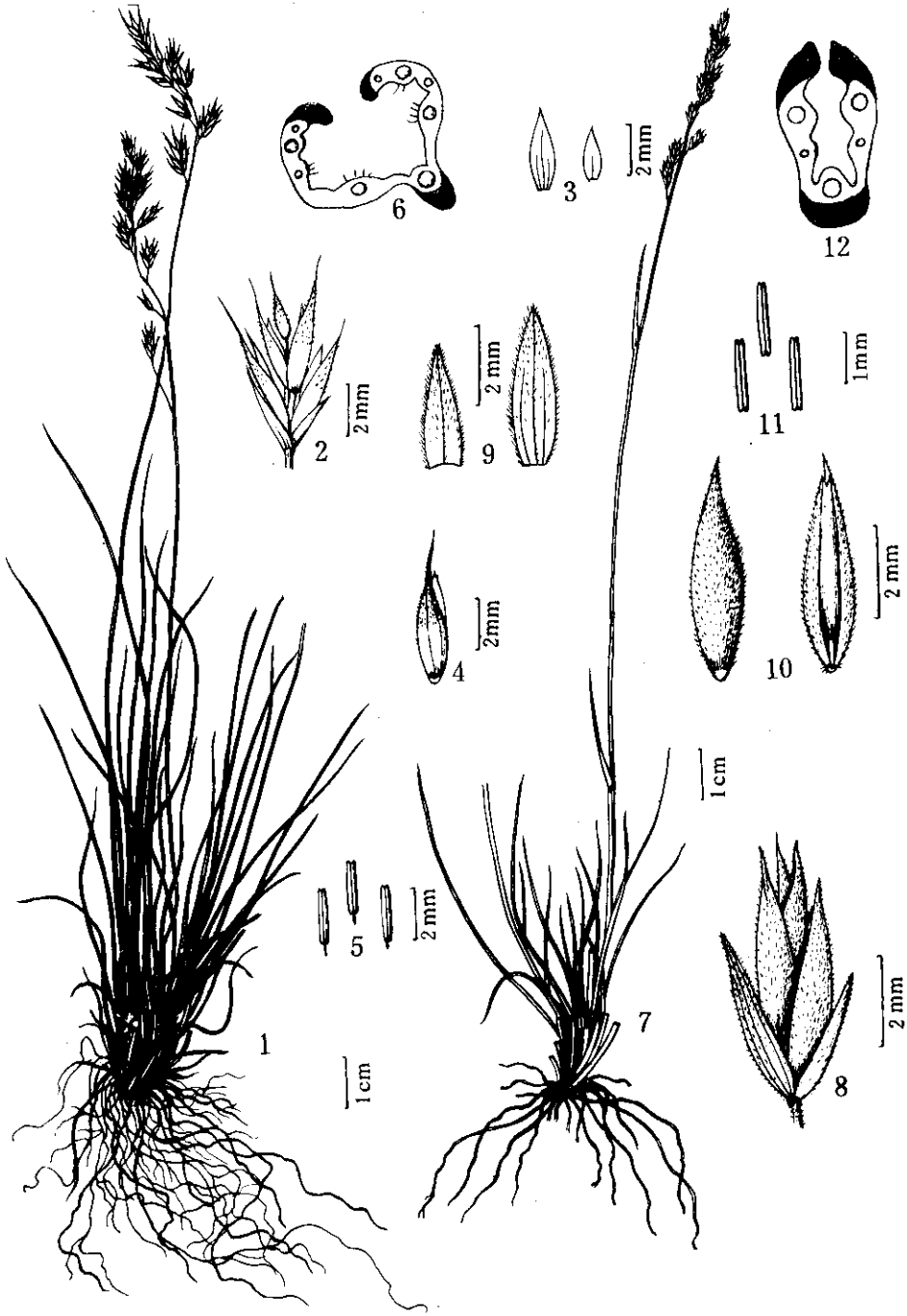

图 4 1— 6. 长白山羊茅 1.植株; 2.小穗; 3.颖片; 4.第一小花; 5.花药; 6.叶横切面示意图。7— 12.草原羊茅 7.植株; 8.小穗; 9.颖片; 10.第一小花背面和腹面; 11.花药; 12.叶横切面示意图。(王颖绘)

Fig.4 1— 6. *Festuca subalpina* 1.plant, 2.spikelet, 3.glume, 4.first floret, 5.anther, 6.sketch of transverse section of leaf blade, 7— 12. *F. chelungkiangnica* 7.plant, 8.spikelet, 9.glume, 10.dorsal and ventral surface of first floret, 11.anther, 12.sketch of transverse section of leaf blade.

1－nodes. Vaginae leves, glabrae; ligulae truncatae ciliatae. c. 0.2 mm longae; laminae flaccidae involutae 7— 12 cm longae, folia caulina c. 1.5 cm longa, 0.3 — 0.8 mm lata, in sectione transversali fasciculis vascularibus 9 et fasciculis sclerenchymatum 3 instructa. Panicula angustata 3— 6 cm longa, ramis 0.5— 2 cm longis, scabris, terminali－unispiculatis tantum instructis; spiculae c. 6 mm longae, 5－florae, floribus summis sterilibus; glumae dorso superne scabrosae inferne glabrae, apice acuminatae, primae c. 2 mm longae 1－nerves, lanceolatae, secundae c. 3 mm longae, lato－lanceolatae, 3－nerves; lemmata dorso scabrida, apice aristata, aristis 1— 1.5 mm longis, prima c. 4 mm longa; paleae lemmata aequantes vel eis paulo breviores, carinis 2, scabridis; antherae 2.2— 2.5 mm longae; caryopsis apice glabra.

Jilin (吉林): Chang bai shan (长白山), alt. 2500— 2600 m on slopes, 1963. 07.28 .W. Wang et al. (王薇等) 2310 (holotype, FPI), 2286, 2249, 2242, Antu (安图) 1958.08.26.P.Y.Fu (傅沛云) 1189。

本种与草原羊茅 *F. chelungkingnica* Chang et Skvort. ex S.L. Lu, 近似，但颖片背面无毛，仅上部粗糙；外稃顶端具芒，芒长 1— 1.5 mm；花药较长，长 2.2— 2.5 mm；可以区别。

8. **草原羊茅** 新种 图 4:7— 12

Festuca chelungkingnica Chang et Skvort. ex S.L. Lu, sp. nov.

Species *F. ovinae* L. affinis, sed glumis dorso pubescentibus margine ciliatis; lemmatibus dorso pubescentibus, apice muticis vel mucronatis; Foliorum laminis in sectione transversali fasciculis sclerenchymatium 3 differt.

Perennis, radicibus fibrosis gracilibus. Culmi caespitosi 15— 30 cm alti, glabri. Foliorum vaginae glabrae; ligulae 1 mm longae, truncatae ciliatae; laminae involutae, 7— 15 cm longae, folia caulina 1.5— 3 cm longa, 0.5 mm lata, in sectione transversali fasciculis vascularibus 5 et fasciculis sclerenchymatium incrassatis 3 instructa. Panicula angustata c. 4 cm longa, 5— 8 mm lata, ramis singulis vel basi interdum binis, 0.5— 1 cm longis, terminali－unispiculatis; spiculae 5— 6 mm longae, 4－florae post maturationem stramineae; glumae dorso pubescentes, margine ciliatae, primae c. 3 mm longae, angusto－lanceolatae, 1－nerves, secundae c. 4 mm longae, late－lanceolatae, 3－nerves; lemmata dorso pubescentia, apice earistata vel mucronata, 5－nervia, prima c. 4.5 mm longa; paleae lemmata aequantes, apice bifidae; antherae c. 1.5 mm longae; caryopsis apice glabra.

Heilongjiang (黑龙江) 1939.11.10. Skvort. without No. (holotype FPI)

本种与羊茅 *F. ovina* L. 很近似，但颖片背面被短毛，边缘具细纤毛；外稃背面被毛，顶端无芒或具短尖；叶横切面具厚壁组织束 3 等特征，可与之区别。

6. **紫羊茅组**

6. Sect. **Rubrae** Krecz. et Bobr. in Kom. Fl. URSS **2**: 517.1934.—— *Festuca* Subgen. *Eufestuca* sect. *Rubrae* ser. *Rubrae* Krecz. et Bobr. in Kom. Fl. URSS **2**: 517. 1934. —— *Festuca* Subgen. Eufestuca sect. *Rubrae* ser. *Pseudo-erianthae* Krecz. et Bobr. in l.c. **2**: 524. 1934.

叶片纵卷或扁平，叶横切面具维管束 5 — 11(13)，厚壁组织束 5 — 13(15)，仅存在于下表皮层之内方，不连续成带状。圆锥花序狭窄或疏松而花期开展；颖片边缘窄膜质；外稃顶端具芒；子房顶端无毛或稀具毛。

组模式：*F. rubra* L.

本组国产 9 种(由于种数较多，此间从略)

组 7. **微药组** 新组

7. Sect. **Nitidulae** S.L. Lu, sect. nov.

Foliorum laminae involutae vel conduplicatae in sectione transversali fasciculis vascularibus 5 — 11, fasciculis sclerenchymatum sub infera epidermide, sed sub epidermide supera prope costas dispositis instructae. Glumae margine angusto-membranaceae; lemmata apice breviter aristata; caryopsis apice pilosa vel glabra.

Typus sectionis: *F. nitidula* Stapf

叶片纵卷或对折，叶横切面具维管束 5 — 11，厚壁 组织束多在下表皮层内方，而上表皮层内仅在主脉一处有之。颖片边缘窄膜质；外稃顶端具短芒；子房顶端具毛或无毛。

本组国产两种：微药羊茅 *F. nitidula* Stapf，短叶羊茅 *F. brachyphylla* Schult. et Schult. f.

附注 1 本种在《中国主要植物图说—禾本科》(耿以礼 1959)中已有中文描述及绘图，在此将耿以礼教授的原拉丁文描述发表，同时本文作者增加了该种叶解剖的拉丁文描述。

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更 正

卷、期、页	第 30 卷 第 4 期 339 页
误	*Taiwanioideae* (Hayata) L. C. Li, stat. nov.—— Taiwanioideae (Hayata), in Bot Mag. (Tokyo) **46** (54): 26, 1952.—— Tawanioideae L. C. Li, in Acta Bot Yunnan. **11** (2):123. 1989.
正	**Taiwanioideae** (Hayata) L. C. Li stat. nov.—— *Taiwaniaceae* Hayata, in Bot Mag. (Tokyo) **46** (54): 26, 1932.—— *Taiwanioideae* L. C. Li, in Acta Bot Yunnan. **11** (2): 123. 1989.